

Educational Services

Educators Grades K& Faculty Postdoctoral

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National Aeronautics and Space Administration

Office of Human Resources & Education Education Division



How to Access
Information
on
NASA's
Education Program,
Materials,
and Services

How to Access Information on NASA's Education Program, Materials, and Services

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NASA Education Program

ASA is an investment in America's future. Our activities contribute to the achievement of the Nation's science and technology goals and priorities, one of which is: "Educational Excellence: We involve the education community in our endeavors to inspire America's students, create learning opportunities, and enlighten inquisitive minds."

NASA's national education program is carried out through NASA Headquarters and the NASA Field Centers. In addition to direct interaction among educators, students, and personnel at the Field Centers, NASA provides information, materials, and services to the larger education community through a multifaceted dissemination network. NASA's national dissemination plan has established two priority areas and actions to improve service to the education community:

- Establish a physical presence in each state through the NASA Educator Resource Center Network, precollege outreach programs, and the Space Grant College and Fellowship Program
- Provide electronic information systems (NASA Education Home Page, NASA Spacelink, Learning Technologies Project, NASA Television, and FEDIX)

NASA has established a standard requiring all of NASA's printed educational materials to be available via the Internet.

To ensure that the needs of the educational community are being met, we continuously assess customer satisfaction through surveys, focus groups, and other evaluation strategies.

NASA has undertaken actions to communicate knowledge within the education community to support the national education reform movement. This brochure serves as a guide to accessing the variety of materials and services that are available to educators.



NASA Field Centers and Precollege Contacts

Precollège Officers and Service Regions

ASA's Precollege Education activities provide:
(1) student support programs; (2) teacher preservice and inservice opportunities;
(3) curriculum support and dissemination; (4) support of local and state systemic reform initiatives; and
(5) education technology. Please contact the NASA Precollege Officer for your area as follows:

AK, NORTHERN CA, HI, ID, MT, NV, OR, UT, WA, WY

Mr. Garth A. Hull Group Leader: Educational Programs Mail Stop 204-12 **NASA Ames Research Center** Moffett Field, CA 94035-1000

SOUTHERN CALIFORNIA, ARIZONA

Dr. Marianne McCarthy Education Specialist P.O. Box 273, MS D4839A **NASA Dryden Flight Research Center** Edwards, CA 93523-0273

CALIFORNIA

Mr. David Seidel Precollege Officer Mail Stop T-1709 **NASA Jet Propulsion Laboratory** 4800 Oak Grove Drive Pasadena, CA 91109-8099

IL, IN, MI, MN, OH, WI

Jo Ann Charleston Chief, Office of Educational Programs Mail Stop 7-4 NASA John H. Glenn Research Center at Lewis Field 21000 Brookpark Road Cleveland, OH 44135-3191

CT, DE, DC, ME, MD, MA, NH, NJ, NY, PA, RI, VT

Dr. Robert Gabrys Chief, Education Office Code 130.3

NASA Goddard Space Flight Center

Greenbelt, MD 20771-0001

CO, KS, NE, NM, ND, OK, SD, TX

Ms. Billie A. Deason Education Team Lead Education and Community Support Branch - AP 2 NASA Johnson Space Center 2101 NASA Road One Houston, TX 77058-3696

FL, GA, PR, VI

Dr. Steve Dutczak Chief, Education Services Mail Code AB-G1 NASA Kennedy Space Center Kennedy Space Center, FL 32899-0001

KY, NC, SC, VA, WV

Dr. William B. Williams Acting Precollege Officer Mail Stop 400 **NASA Langley Research Center** 17 Langley Boulevard Hampton, VA 23681-0001

AL, AR, IA, LA, MO, TN

Mr. William E. Anderson Precollege Officer Mail Code CO60 **NASA Marshall Space Flight Center** Huntsville, AL 35812-0001

MS

Dr. David Powe Manager, Educational Programs **NASA Stennis Space Center** Bldg. 1100, Mail Code AA10 Stennis Space Center, MS 39529-6000

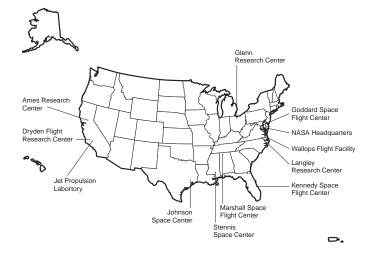
University Alfairs Officers

ASA's Higher Education activities provide opportunities in: (1) undergraduate and graduate student support programs; (2) faculty enhancement; (3) post doctoral research; and (4) research and development grants and contracts. For more information, please contact the NASA University Affairs Officers listed as follows:

Mr. Geoff Lee University Affairs Officer Code 19-1 **NASA Ames Research Center** Moffett Field, CA 94035-1000

Dr. Kajal Gupta University Affairs Officer P.O. Box 273, MS D2131 **NASA Dryden Flight Research Center** Edwards, CA 93523-0273

Ms. Carol Hix University Affairs Officer Mail Stop 72-109 **NASA Jet Propulsion Laboratory** 4800 Oak Grove Drive Pasadena, CA 91109-8099



Dr. Francis J. Montegani University Affairs Officer Mail Stop CP-1 NASA John H. Glenn Research Center at Lewis Field 21000 Brookpark Road Cleveland, OH 44135-3191

Dr. Gerald Soffen University Affairs Officer Code 160 **NASA Goddard Space Flight Center** Greenbelt, MD 20771-0001

Dr. Donn Sickorez University Affairs Officer Code AP 2 **NASA Johnson Space Center** 2101 NASA Road One Houston, TX 77058-3696

Mr. Gregg Buckingham Acting University Affairs Officer Attn: HM-CIU **NASA Kennedy Space Center** Kennedy Space Center, FL 32899-0001

Mr. Roger Hathaway University Affairs Officer Mail Stop 400 **NASA Langley Research Center** Hampton, VA 23681-0001

Dr. Jim Dowdy University Affairs Officer Mail Stop CO60 **NASA Marshall Space Flight Center** Huntsville, AL 35812-0001

Dr. Armond Joyce University Affairs Officer Science & Technology Branch NASA Stennis Space Center Stennis Space Center, MS 39529-6000

NASA Strategic Enterprises

ASA's overall program is comprised of four Strategic Enterprises. Each Enterprise covers a major area of the Agency's research and development efforts. The four Enterprises each maintain a Home Page containing information on related programs, educational resources, contacts, images, and more.

Aero-Space Technology—The mission of this Enterprise is to pioneer the identification, development, verification, transfer, application, and commercialization of high-payoff aeronautics and space transportation technologies.

http://www.hq.nasa.gov/office/aero/

Earth Science—The mission of this Enterprise is to use the unique vantagepoint of space to provide information about Earth's environment that is obtainable in no other way. In concert with research and industry partners, the Enterprise is developing the understanding needed to support the complex environmental policy and economic investment decisions that lie ahead.

http://www.earth.nasa.gov/

Human Exploration and Development of Space—The mission of this Enterprise is to open the space frontier by exploring, using, and enabling the development of space and to expand the human experience into the far reaches of space. The enterprise is managed jointly by the Office of Space Flight and the Office of Life and Microgravity Sciences and Applications.

http://www.hq.nasa.gov/osf/heds/

Space Science—The mission of this Enterprise is to solve mysteries of the universe, explore the solar system, discover planets around other stars, search for life beyond Earth from origins to destiny, chart the evolution of the universe, and understand its galaxies, stars, planets, and life.

http://spacescience.nasa.gov/

Minority University Research and Education Division

ASA's Office of Equal Opportunity Programs established the Minority University Research and Education Division (MURED) in 1990 to increase the Agency's responsiveness to Federal mandates related to Historically Black Colleges and Universities HBCUs) and Other Minority Universities (OMUs), including Hispanic Serving Institutions and Tribal Colleges and Universities. The MURED is responsible for Program (MUREP) budget, developing Agencywide policies, procedures and guidelines that enhance the involvement of HBCUs and OMUs in the Agency's mission.

For additional information, visit the MURED Home Page at:

http://www.hq.nasa.gov/office/codee/mured.html

Minority University Research and Education Division Code EU NASA Headquarters Washington, DC 20546-0001

NASA Education Home Page

ASA's Education Home Page serves as a cyber-gateway to information regarding educational programs and services offered by NASA for educators and students across the United States. This high-level directory of information provides specific details and points of contact for all of NASA's educational efforts and Field Center offices.

Educators and students utilizing this site will have access to a comprehensive overview of NASA's educational programs and services, along with a searchable program inventory that has cataloged NASA's educational programs. NASA's on-line resources specifically designed for the educational community are highlighted, as well as home pages offered by NASA's four areas of research and development (including the Aero-Space Technology, Earth Science, Human Exploration and Development of Space, and Space Science Enterprises).

Visit this resource at the following address: http://education.nasa.gov



NASA Spacelink

ASA Spacelink is one of NASA's electronic resources specifically developed for the educational community. Spacelink is a "virtual library" in which local files and hundreds of NASA World Wide Web links are arranged in a manner familiar to educators. Using the Spacelink search engine, educators can search this virtual library to find information regardless of its location within NASA. Special events, missions, and intriguing NASA web sites are featured in Spacelink's "Hot Topics" and "Cool Picks" areas.

Spacelink is the official home to electronic versions of NASA's Educational Products. NASA educator guides, educational briefs, lithographs, and other materials are cross-referenced throughout Spacelink with related topics and events. Spacelink is also host to the NASA Television Education File schedule. NASA Educational Products can be accessed at the following address: http://spacelink.nasa.gov/products

Join the NASA Spacelink EXPRESS mailing list (http://spacelink.nasa.gov/express) to receive announcements of new NASA materials and opportunities for educators. Our goal is to inform you as quickly as possible when new NASA educational publications become available on Spacelink.

Spacelink may be accessed at the following address: http://spacelink.nasa.gov



Learning Technologies Project

ASA's Learning Technologies Project (LTP) is an Agency asset that includes a suite of Internet projects that teachers and students can use to explore NASA resources and learn about NASA missions. Through "Sharing NASA" on-line—interactive projects available from LTP's Quest server—you have the opportunity to communicate with NASA scientists and researchers and to experience the excitement of science as it is happening.

The Learning Technologies Channel (LTC) allows you to participate in remote events via a multidimensional web experience. E-mail, chat rooms, audio, video, text transcription, synchronized graphics, and sometimes NASA Television are employed to take you to workshops, lectures, seminars, courses, and exciting live events around the world.

Projects of LTP provide on-line resources and activities for the classroom in a number of disciplines and across disciplines. One allows remote access to a telescope over the Internet. Another brings you software tools to help manage the Internet in the classroom. Yet another offers a simulation to teach the basics of aerodynamics.

You can also find information on integrating technology into the classroom and grant opportunities. LTP offers a wide variety of educationally sound, standards-based projects that help you explore science, math, and engineering from your classroom.

Learning Technologies Project: http://learn.ivv.nasa.gov

Learning Technologies Channel: http://quest.arc.nasa.gov/ltc/

Quest: http://quest.arc.nasa.gov

Research and Management Systems (FEDIX)

esearch and Management Systems (FEDIX) is a free on-line information retrieval service of Federal opportunities for the education and research communities. Key Federal agencies support FEDIX under a cooperative agreement from the Department of Defense, Office of Small and Disadvantaged Business Utilization. Participating agencies use FEDIX as an outreach tool to promote enhanced communication to colleges, universities, and other educational and research organizations.

FEDIX is a user-friendly, one-stop source of current Federal funding information that benefits educators and researchers. If you are a college or university faculty member, administrator, student, or work in a related field, FEDIX can help you.

Getting Started on FEDIX

You will incur no registration, access, or download fees while using FEDIX. The system operates 24-hours a day, 7-days a week and can be accessed from any computer or dumb terminal with Internet or modem.

Internet

World Wide Web URL: http://web.fie.com/Fedix/

- Telnet or FTP address: fedix.fie.com
- Gopher address: gopher.fie.com*

Modem

• Dataline: 1-301-258-0953

 Toll-free at: 1-800-783-3349* (800-line available to minority institutions only)

Our modems support 2400-14,400 bps. Use 8-N-1 setting in your communications software. Terminal modulation is VT100.

Helpline

A staff of technical and information professionals is available to assist you Monday through Friday from 8:30 am to 5:00 pm (EST), except on federal holidays. Call

Phone: (301) 975-0103 Fax: (301) 975-0109

E-mail: comments@rams.com.

NASA Television (NTV)

ASA Television (NTV) features Space Shuttle mission coverage, live special events, interactive educational live shows, electronic field trips, aviation and space news, and historical NASA footage. Programming has a 3-hour block—Video (News) File, NASA Gallery, and Education File—beginning at noon Eastern and repeated three more times throughout the day.

The Education File features programming for teachers and students on science, mathematics, and technology. All NTV programming may be taped for later use.

NTV Weekday Programming Schedules (Eastern Times)

Video File	NASA Gallery	Education File
12–1 p.m.	1–2 p.m.	2–3 p.m.
3–4 p.m.	4–5 p.m.	5–6 p.m.
6–7 p.m.	7–8 p.m.	8–9 p.m.
9–10 p.m.	10–11 p.m.	11–12 p.m.

NASA Spacelink provides the NTV Education File schedule at http://spacelink.nasa.gov/education.File/

Via satellite—GE-2 Satellite, Transponder 9C at 85 degrees West longitude, vertical polarization, with a frequency of 3880.0 megahertz (MHz) and audio of 6.8 MHz—or through collaborating distance learning networks and local cable providers.

For more information on NTV, contact: NASA TV NASA Headquarters - Code P-2 Washington, DC 20546-0001

Phone: (202) 358-3572

Central Operation of Resources for Educators

ASA's **Central Operation of Resources for Educators** (CORE) is a worldwide distribution center for NASA's audiovisual and educational materials. For a minimal fee, NASA CORE will provide educators with materials through its mail order service.

Educational materials available include videotape programs, slide sets, computer software, and laser discs. These materials are designed to supplement classroom instruction and increase awareness and understanding of NASA's scientific research and technology and provide a historical account of NASA's accomplishments.

Through the use of these multimedia materials, teachers can provide students with the latest in aerospace information, which serves as a spring-board for

classroom discussion across the entire curriculum.



NASA CORE

is a nonprofit organization jointly sponsored by the National Aeronautics and Space Administration and the Lorain County Joint Vocational School in Oberlin, Ohio.

Educators may request a catalog and order form by writing, calling, faxing, or e-mailing:

NASA CORE Lorain County JVS 15181 Route 58 South Oberlin, OH 44074 Phone: (440) 775-1400

Fax: (440) 775-1460

E-mail: nasaco@leeca.esu.k12.oh.us

NASA CORE Home Page: http://core.nasa.gov/

Educator Resource Center Network

Through the NASA Educator Resource Center Network (ERCN), NASA provides expertise and facilities to help educators access and utilize science, mathematics, and technology instructional products aligned with national standards and appropriate state frameworks and based on NASA's unique mission and results. ERCs partner with local, state, and regional educational organizations to become part of the systemic education reform initiatives in the state.

The ERCN provides educators with demonstrations of educational technologies such as NASA

Spacelink, NASA
Television, and the
NASA Education
Home Page.
ERCs also provide inservice
and preservice
training utilizing
NASA instructional products.

Educators have the oppor-

tunity to preview, copy, and/or receive NASA instructional products.

ERCs are located on or near NASA Field Centers as well as at planetariums, museums, colleges, universities, and other nonprofit organizations around the United States. A list of the ERCs located at NASA Field Centers, as well as information on the geographical region served by each Field Center, begins on the next page. A list of the entire ERCN begins on page 21.

Educator Resource Center Network

NASA Field Center Educator Resource Centers

ALASKA, NORTHERN CALIFORNIA, HAWAII, IDAHO, MONTANA, NEVADA, OREGON, UTAH, WASHINGTON, WYOMING

NASA Ames Research Center **Educator Resource Center** Mail Stop 253-2 Moffett Field, CA 94035-1000 Phone: (650) 604-3574 FAX: (650) 604-3445

http://ccf.arc.nasa.gov/dx/basket/trc/trchome.html

SOUTHERN CALIFORNIA, ARIZONA

NASA Educator Resource Center for NASA Dryden Flight Research Center 45108 North Third Street East Lancaster, CA 93535 Phone: (661) 948-7347 FAX: (661) 948-7068

http://www.dfrc.nasa.gov/trc.html

CALIFORNIA

NASA JPL Educator Resource Center Village at Indian Hills Mall 1460 East Holt Avenue, Suite 20 Pomona, CA 91767 Phone: (909) 397-4420

FAX: (909) 397-4470 http://learn.jpl.nasa.gov

Illinois, Indiana, Michigan, Minnesota, OHIO, WISCONSIN

NASA John H. Glenn Research Center at Lewis Field NASA Educator Resource Center 21000 Brookpark Rd., MS 8-1 Cleveland, OH 44135 Phone: (216) 433-2017

FAX: (216) 433-3601

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, VERMONT

NASA Goddard Space Flight Center Educator Resource Laboratory Mail Code 130.3 Greenbelt, MD 20771 Phone: (301) 286-8570

Phone: (301) 286-8570 FAX: (301) 286-1781

http://pao.gsfc.nasa.gov/gsfc/edu/trl/welcome.html

VIRGINIA'S AND MARYLAND'S EASTERN SHORES

GSFC/Wallops Flight Facility Visitor Center Building J-17 Wallops Island, VA 23337

Phone: (757) 824-2298 FAX: (757) 824-1776

COLORADO, KANSAS, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS

NASA Educator Resource Center for NASA Johnson Space Center Space Center Houston 1601 NASA Road One Houston, TX 77058 Phone: (281) 244-2129

FAX: (281) 483-9638 http://www.jsc.nasa.gov

FLORIDA, GEORGIA, PUERTO RICO, VIRGIN ISLANDS

NASA Kennedy Space Center Educator Resource Center Mail Code ERC J.F. Kennedy Space Ctr., FL 32899 Phone: (407) 867-4090

FAX: (407) 867-7242

Educator Resource Center Network NASA Field Center Educator Resourc Centers

KENTUCKY, NORTH CAROLINA, SOUTH CAROLINA, VIRGINIA, WEST VIRGINIA

Educator Resource Center for NASA LaRC Virginia Air and Space Center 600 Settlers Landing Road Hampton, VA 23669-4033 Phone: (757) 727-0900 Ext. 757 FAX: (757) 727-0898 http://www.vasc.org/erc/

Alabama, Arkansas, Iowa, Louisiana, Missouri, Tennessee

U.S. Space & Rocket Center NASA MSFC Educator Resource Center One Tranquility Base Drive Huntsville, AL 35758 Phone: (256) 544-5812 FAX: (256) 544-5820 http://www.msfc.nasa.gov/education/erc

Mississippi

NASA Stennis Space Center Educator Resource Center Building 1200 Stennis Space Ctr., MS 39529-6000 Phone: (601) 688-3337

FAX: (601) 688-2824

Educator Resource Centers by State

ALABAMA

U.S. Space & Rocket Center NASA MSFC Educator Resource Center One Tranquility Base Huntsville, AL 35758 Phone: (256) 544-5812

Phone: (256) 544-5812 FAX: (256) 544-5820

ALASKA

Alaska Science Center Alaska Pacific University 4101 University Drive Anchorage, AK 99508 Phone: (907) 563-4315 FAX: (907) 562-4276

ARIZONA

Univ. of Arizona Space Sciences Building Lunar & Planetary Laboratory 1629 E. University Boulevard Tucson, AZ 85721

Phone: (520) 621-6947 FAX: (520) 621-4933

ARKANSAS

University of Arkansas at Little Rock Star Project-Planetarium 2801 South University, FH 215 Little Rock, AR 72204 Phone: (501) 569-3259

FAX: (501) 569-3314

Educator Resource Center Network

Educator Resource Centers by State

CALIFORNIA

CSU Fresno, MS 01 NASA SJV RERC 5005 N. Maple Avenue Fresno, CA 93740-8025 Phone: (209) 278-0355

NASA Ames Research Center Educator Resource Center Mail Stop 253-2 Moffett Field, CA 94035-1000 Phone: (650) 604-3574 FAX: (650) 604-3445

http://ccf.arc.nasa.gov/dx/basket/trc/trchome.html

NASA Dryden Flight Research Center 45108 North Third Street East Lancaster, CA 93535 Phone: (661) 948-7347 FAX: (661) 948-7068 http://www.dfrc.nasa.gov/trc.html

NASA JPL Educator Resource Center Village at Indian Hills Mall 1460 East Holt Avenue, Suite 20 Pamona, CA 91767 Phone: (909) 397-4420 FAX: (909) 397-4470 http://learn.jpl.nasa.gov

California Science Center 700 State Drive Los Angeles, CA 90037 Phone: (213) 744-7418 FAX: (213) 744-7427 http://www.casciencectr.org

Endeavour Center Vandenburg Air Force Base One Carob Street Vandenburg AFB, CA 93437 Phone: (805) 735-1474 FAX: (805) 735-5131

COLORADO

U.S. Space Foundation NASA RERC, Suite 2301 2860 South Circle Drive Colorado Springs, CO 80906 Phone: (719) 576-8000

FAX: (719) 576-8801 http://www.ussf.org

CONNECTICUT

Aerospace and Environmental Education Resource Center Eastern Connecticut State University Library, Room 144 83 Windham Street Willimantic, CT 06226 Phone: (860) 465-5725

Phone: (860) 465-5725 FAX: (860) 465-4338

http://www.ecsu.ctstateu.edu/depts/nasa/

DELAWARE

Delaware Aerospace Center 500 C Duncan Road Wilmington, DE 19809 Phone: (302) 454-2432 FAX: (302) 834-1369

DISTRICT OF COLUMBIA

National Air and Space Museum Educational Services Center Room P700, MRC 305 Washington, DC 20560 Phone: (202) 357-4223 FAX: (202) 633-8928

University of the District of Columbia 4200 Connecticut Avenue, NW MB 4201 Washington, DC 20008

Phone: (202) 274-6287 FAX: (202) 274-5094

Educator Resource Center Network Educator Resource Centers by State

FLORIDA

NASA Kennedy Space Center Educator Resource Center Mail Code ERC J.F. Kennedy Space Ctr., FL 32899 Phone: (407) 867-4090

FAX: (407) 867-7242

GEORGIA

Southern Polytechnic State University 1100 S. Marietta Parkway Marietta, GA 30060-2896 Phone: (770) 528-6272 FAX: (770) 528-4980 http://www.spsu.edu/gystc/gystc.html

HAWAII

State of Hawaii Department of Education Barbers Point Elementary School 3001 Boxer Road, NAS Barbers Point Kapolei, HI 96707-2103 Phone: (808) 673-7410 FAX: (808) 682-3924

IDAHO

University of Idaho College of Education NASA RERC Moscow, ID 83844-3080 Phone: (208) 885-6030

FAX: (208) 885-7607

http://www.uidaho.edu/nasa_isgc

ILLINOIS

Museum of Science and Industry NASA Educator Resource Center 57th Street & Lake Shore Drive Chicago, IL 60637-2093 Phone: (773) 684-1414, ext. 2426 FAX: (773) 684-5580

http://www.msichicago.org

Indiana

Science Central 1950 North Clinton Street Fort Wayne, IN 46805 Phone: (219) 424-2400, ext. 416

FAX: (219) 422-2899

Iowa

University of Northern Iowa NASA RERC 222 S.E.C. Cedar Falls, IA 50614-0609 Phone: (319) 273-6066

FAX: (319) 273-6997 http://www.uni.edu/coe/irts

KANSAS

Kansas Cosmosphere and Space Center NASA Educator Resource Center 1100 N. Plum Hutchinson, KS 67501-1499 Phone: (316) 662-2305, ext. 353

FAX: (316) 662-3693 http://www.cosmo.org

KENTUCKY

Murray State University Waterfield Library NASA Educator Resource Center Murray, KY 42071-0009

Phone: (270) 762-2850 or 762-4420

FAX: (270) 762-3736

http://www.mursuky.edu/msml/NASA/NASAmain.htm

Louisiana

Bossier Parish Community College NASA Educator Resource Center 2719 Airline Drive Bossier City, LA 71111

Phone: (318) 746-9851, ext. 319

FAX: (318) 742-8664

Educator Resource Center Network

Educator Resource Centers by State

MARYLAND

NASA Goddard Space Flight Center Educator Resource Laboratory Mail Code 130.3 Greenbelt, MD 20771 Phone: (301) 286-8570 FAX: (301) 286-1781

http://pao.gsfc.nasa.gov/gsfc/edu/trl/welcome.html

MASSACHUSETTS

Bridgewater State College Maxwell Library Media Service Bridgewater, MA 02325 Phone: (508) 697-1248 Ext. 2022 FAX: (508) 697-1729 http://www.bridgew.edu

MICHIGAN

Central Michigan University SMTC NASA-RERC 101 Ronan Hall Mount Pleasant, MI 48859 Phone: (517) 774-4387 FAX: (517) 774-4374 http://www.smtc.cmich.edu

Northern Michigan University The Glenn T. Seaborg Center for Teaching and Learning Science and Mathematics 1401 Presque Isle Marquette, MI 49855-5394 Phone: (906) 227-2002

Phone: (906) 227-2002 FAX: (906) 227-2013 http://seaborg.nmu.edu/

Oakland Schools Science, Mathematics & Technology Center 1480 Scott Lake Road Waterford, MI 48328 Phone: (248) 683-7476 FAX: (248) 683-9438

MINNESOTA

Mankato State University NASA RERC Box 52, Armstrong Hall Mankato, MN 56002-8400 Phone: (507) 389-5277 FAX: (507) 389-5853 http://www.lme.mankato.msus/ci/matz.html

St. Cloud State University Center for Information Media 720 Fourth Avenue SCH-29 St. Cloud, MN 56301-4498 Phone: (320) 255-2062 FAX: (320) 255-4478

Mississippi

NASA Stennis Space Center Educator Resource Center Building 1200 Stennis Space Ctr., MS 39529-6000 Phone: (601) 688-3337 FAX: (601) 688-2824 http://education.ssc.nasa.gov/htmls/trc/trc.htm

Choctaw Teacher Enhancement Center Route 7, Box 72 Philadelphia, MS 39350 Phone: (601) 650-9320 FAX: (601) 650-9638

Tri-State Education Initiative Consortium Highway 72 West, P.O. Box 508 Iuka, MS 38852 Phone: (601) 423-9071 FAX: (601) 423-9075 http://192.149.138.120

Missouri

NASA Educator Resource Center Southeast Missouri State University MS 0100 One University Plaza 222 North Pacific Street Cape Girardeau, MO 63701 Phone: (573) 290-5255

Educator Resource Center Network

Educator Resource Centers by State

MONTANA

Western Montana College Carson Library, NASA RERC 710 S. Atlantic Dillon, MT 59725 Phone: (406) 683-7492 FAX: (406) 683-7493 http://www.lib.wmc.edu

NEBRASKA

University of Nebraska at Omaha DSC 118 6001 Dodge Street Omaha, NE 68182-0266 Phone: (888) 866-6272 FAX: (888) 554-3100 http://www.physics.unomaha.edu/

University of Nebraska State Museum 14th and U Streets 135 Morrill Hall Lincoln, NE 68588-0374 Phone: (402) 472-4525 FAX: (402) 472-8899

http://nesen.unl.edu/rtrc/rtrc.html

NEVADA

Community College of Southern Nevada 3200 E. Cheyenne Avenue C2A N Las Vegas, NV 89030-4296 Phone: (702) 651-4505 FAX: (702) 643-8103 http://www.ccsn.nevada.edu/planetarium/rtrc.html

New Jersey

Georgian Court College Library 900 Lakewood Avenue Lakewood, NJ 08701-2697 Phone: (732) 364-2200, ext. 419

FAX: (732) 364-2215

http://www.georgian.edu/nasa/nasa.htm

New Mexico

New Mexico State University Wells Hall, Bay 4 Box 30001, Department SG Las Cruces, NM 88003-0001 Phone: (505) 646-6414 FAX: (505) 646-7791 http://spacegrant.nmsu.edu/trc/

New York

Cohen Library-CCNY NAC 5302 138th Street and Convent Ave. New York, NY 10031 Phone: (212) 650-6993 FAX: (212) 650-5546

NORTH CAROLINA

University of North Carolina–Charlotte NASA Educator Resource Center CIMC, Atkins Library Charlotte, NC 28223 Phone: (704) 547-2559 FAX: (704) 547-3579

http://library.uncc.edu/lis/library/collections/nasa

North Dakota

University of North Dakota Center for Aerospace Science University Station, Box 9008 Grand Forks, ND 58202-9008 Phone: (701) 777-4856 FAX: (701) 777-3711

Educator Resource Center Network

Educator Resource Centers by State

Оню

NASA Glenn Research Center NASA Educator Resource Center 21000 Brookpark Rd., MS 8-1 Cleveland, OH 44135 Phone: (216) 433-2017 FAX: (216) 433-3601

University of Cincinnati Curriculum Resources Center 600 Blegen Library Cincinnati, OH 45221-0219 Phone: (513) 556-1430 FAX: (513) 556-2113

Eisenhower National Clearing House 1929 Kenny Road Columbus, OH 43210-1079 Phone: (614) 292-8389 FAX: (614) 292-2066 http://www.enc.org

OKLAHOMA

Oklahoma State University OSU Aerospace Professional Development Center 308-A CITD Building Stillwater, OK 74078-8089 Phone: (405) 744-6784 FAX: (405) 744-6785

OREGON

Oregon Museum of Science and Industry NASA RERC 1945 S.E. Water Avenue Portland, OR 97214 Phone: (503) 797-4551 FAX: (503) 797-4500

http://www.omsi.edu

PENNSYLVANIA

University of Pittsburgh NASA RERC 4H17 Forbes Quad 230 S. Bouquet Street Pittsburgh, PA 15260 Phone: (412) 648-7558 FAX: (412) 648-7081 http://www.pitt.edu/~nasa

PUERTO RICO

University of Puerto Rico at Mayaguez Resource Center for Science & Engineering Physics Building Office 200 Mayaguez, PR 00680 Phone: (787) 831-1022 or 831-1025

FAX: (787) 832-4680

RHODE ISLAND

Rhode Island College Physical Science Dept. 600 Mount Pleasant Avenue Providence, RI 02908 Phone: (401) 456-9638 FAX: (401) 456-9658

SOUTH CAROLINA

Stanback Planetarium South Carolina State University 300 College Street, Box 7636 Orangeburg, SC 29117-7636 Phone: (803) 536-8709 FAX: (803) 533-3726 http://www.draco.scsu.edu

Educator Resource Center Network

Educator Resource Centers by State

TENNESSEE

University of Tennessee at Martin Center of Excellence for Sci/Math Education 145 Gooch Hall Martin, TN 38238 Phone: (901) 587-7907

FAX: (901) 587-7206 http://cesme.utm.edu/resources/NASA/intro.html%20

TEXAS

NASA Johnson Space Center Space Center Houston 1601 NASA Road One Houston, TX 77058 Phone: (281) 244-2129 FAX: (281) 483-9638 http://www.jsc.nasa.gov

University of Texas at Brownsville NASA RERC 80 Fort Brown Brownsville, TX 78520 Phone: (210) 982-0295 FAX: (210) 544-5495 http://www.utb.edu/lib

UTAH

Utah State University Educational Resources & Tech Center 2845 University Boulevard 170 Education Building Logan, UT 84322-2845 Phone: (435) 797-3377 FAX: (435) 797-3939

http://www.teacherlink.usu.edu

Weber State University NASA ERC LL230 2509 University Circle Ogden, UT 84408-2509 Phone: (801) 626-6590 FAX: (801) 626-7257

VERMONT

Vermont College of Norwich University NASA RERC Montpelier. VT 05602

Montpelier, VT 05602 Phone: (802) 828-8845 FAX: (802) 828-8585

VIRGINIA

Educator Resource Center for NASA LaRC Virginia Air and Space Center 600 Settlers Landing Road Hampton, VA 23669-4033 Phone: (757) 727-0900 Ext. 757 FAX: (757) 727-0898 http://www.runet.edu/~trc

GSFC/Wallops Flight Facility Visitor Center Building J-17 Wallops Island, VA 23337 Phone: (757) 824-2298 FAX: (757) 824-1776

Radford University Teacher Resources Center Tyler Avenue, Walker Hall Norwood Street, Box 6999 Radford, VA 24142 Phone: (540) 831-6284 FAX: (540) 831-5807 http://www.runet.edu/~trc

WASHINGTON

University of Washington Space Grant Program 352 Johnson Hall, Box 351650 Seattle, WA 98195 Phone: (206) 543-1943

Phone: (206) 543-1943 FAX: (206) 685-3815

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Educator Resource Centers by State

WEST VIRGINIA

University of Charleston 125 Riggleman Hall 2300 MacCorkle Avenue, SE Charleston, WV 25304 Phone: (304) 357-4773 FAX: (304) 357-4715

Wheeling Jesuit University Classroom of the Future 316 Washington Avenue Wheeling, WV 26003 Phone: (304) 243-4416 FAX: (304) 243-2497 http://www.cotf.edu/erc/

WVU/NASA Ames IV & V Faculty 100 University Drive Fairmont, WV 26554 Phone: (304) 367-8436 FAX: (304) 367-8411

Wisconsin

University of Wisconsin–La Crosse Science Resource Center NASA Room 1725 State Street, Murphy Library Room 270 La Crosse, WI 54601 Phone: (608) 785-8148 http://www.uwlax.edu/MurphyLibrary/NASA/nasa.html

WYOMING

University of Wyoming Learning Resource Center Education Building, Room 222 Laramie, WY 82070 Phone: (307) 766-2527 http://www.uwyo.edu

NASA Space Grant College and Fellowship Program/ EPSCoR Contacts

The National Space Grant College and Fellowship Program contributes to the Nation's science enterprise by funding research, education, and public service projects through a national network of 52 university-based Space Grant consortia.

The NASA Experimental Program to Stimulate Competitive Research (EPSCoR), which runs in tandem with Space Grant, targets states of traditionally weak research infrastructure with funds to develop a more competitive research base within their member academic institutions. NASA EPSCoR awards encourage the participation of students, both graduate and undergraduate, in the funded research projects.

Additional information about these two programs can be obtained through the following web sites:

NASA's Space Grant Home Page: http://education.nasa.gov/spacegrant

NASA' EPSCoR Home Page: http://education.nasa.gov/epscor

ALABAMA

Dr. John C. Gregory University of Alabama, Huntsville Chemistry Department Materials Science Building, Room 205 Alabama Space Grant Consortium Huntsville, AL 35899 (256) 890-6028

ALASKA

Dr. Joseph G. Hawkins University of Alaska, Fairbanks Electrical Engineering Department 223 Duckering Building P.O. Box 755919 Fairbanks, AK 99775-5919 (907) 474-5206

ARIZONA

Dr. Eugene H. Levy University of Arizona Lunar & Planetary Laboratory, Planetary Sciences Gould-Simpson, Room 1025 Tucson, AZ 85721 (520) 621-4090

ARKANSAS

Dr. M. Keith Hudson University of Arkansas, Little Rock ETAS 125 2801 South University Avenue Little Rock, AR 72204-1099 (501) 569-8212

CALIFORNIA

Dr. Michael Wiskerchen University of California, San Diego California Space Institute 9500 Gilman Drive, 0524 La Jolla, CA 92093 (619) 534-5869

COLORADO

Ms. Elaine R. Hansen University of Colorado, Boulder Space Grant College Engineering Center, Room 1B-76 Campus Box 520 Boulder, CO 80309-0520 (303) 492-3141

CONNECTICUT

Dr. Sallie (Lee) Townsend University of Hartford 200 Bloomfield Avenue West Hartford, CT 06117 (860) 768-4763

DELAWARE

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DISTRICT OF COLUMBIA

Dr. John Logsdon George Washington University Space Policy Institute 2013 G Street, NW Stuart Hall, Suite 201 Washington, DC 20052 (202) 994-2615

FLORIDA

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HAWAII

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IDAHO

Dr. Rick Gill University of Idaho Department of Mechanical Engineering Moscow, ID 83844-1011 (208) 885-7018

ILLINOIS

Dr. Wayne C. Solomon University of Illinois/Urbana-Champaign Department of Aero/Astronautic Engineering 306 Talbot Laboratory 104 South Wright Street Urbana, IL 61801-2935 (217) 244-7646

Indiana

Dr. Dominick Andrisani, II Purdue University School of Aeronautics and Astronautics 1282 Grissom Hall West Lafayette, IN 47907-1282 (765) 494-5135

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KANSAS

Dr. David R. Downing Kansas Space Grant Consortium Office 127 Youngberg Hall 2385 Irving Hill Road Lawrence, KS 66044-7552 (758) 864-7407

KENTUCKY

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MARYLAND

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MASSACHUSETTS

Prof. Laurence Young Massachusetts Institute of Technology Department of Aeronautics & Astronautics Bldg 37, Room 207 77 Massachusetts Avenue Cambridge, MA 02139 (617) 253-7759

MICHIGAN

Dr. Roberta M. Johnson University of Michigan Department of Atmospheric, Oceanic and Space Sciences 2106 Space Research Building Ann Arbor, MI 48109-2143 (734) 747-3430

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Mississippi

Dr. Peter Sukanek University of Mississippi Department of Chemical Engineering 134 Anderson University, MS 38677 (601) 239-7023

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Dr. Bruce Selberg University of Missouri, Rolla Dept. of Mechanical & Aerospace Eng. & Eng. Mech. 101 Mechanical Engineering Building Rolla, MO 65401-0249 (314) 341-4671

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New Jersey

Prof. Siva Thangam Stevens Institute of Technology Department of Mechanical Engineering Castle Point on the Hudson Hoboken, NJ 07030 (201) 216-5558

New Mexico

Dr. Patricia C. Hynes New Mexico State University Klipsch School of Electrical/Computer Engineering Box 30001 Department SG Las Cruces, NM 88003-0001 (505) 646-6414

New York

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NORTH CAROLINA

Dr. Fred R. DeJarnette North Carolina State University Dept. of Mechanical and Aerospace Engineering Box 7515 1009 Capability Drive, Room 216E Raleigh, NC 27695-7515 (919) 515-4240

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Dr. Charles A. Wood University of North Dakota Department of Space Studies Box 9008 Grand Forks, ND 58202 (701) 777-3167

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Dr. Kenneth DeWitt Department of Chemical Engineering University of Toledo 22800 Cedar Point Road Cleveland, OH 44142 (419) 530-8094

OKLAHOMA

Dr. Victoria Duca-Snowden University of Oklahoma Oklahoma Climatological Survey 710 Asp, Suite 5 Norman, OK 73069 (405) 447-8483

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Dr. Andrew C. Klein Oregon State University Department of Nuclear Engineering 130 Radiation Center Corvallis, OR 97331-5902 (541) 737-2414

PENNSYLVANIA

Dr. Richard Devon Pennsylvania State University 101 South Frear University Park, PA 16802-6004 (814) 863-7687

PUERTO RICO

Dr. Juan G. Gonzalez Lagoa University of Puerto Rico, Mayaguez Resource Center for Science and Engineering P.O. Box 9027 College Station Mayaguez, PR 00681 (809) 831-1022

RHODE ISLAND

Dr. Peter H. Schultz Brown University Department of Geological Sciences Box 1846 Providence, RI 02912 (401) 863-2417

SOUTH CAROLINA

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NASA Field Centers and Precollege Programs

SOUTH DAKOTA

Dr. Sherry O. Farwell South Dakota School of Mines and Technology 501 East St. Joseph Street Rapid City, SD 57701-3995 (605) 394-2493

TENESSEE

Dr. Alvin M. Strauss Vanderbilt University Department of Mechanical Engineering Box 1617, Station B Nashville, TN 37235 (615) 322-2950

TEXAS

Dr. Byron Tapley University of Texas, Austin 3925 West Braker Lane, Suite 200 Center for Space Research Austin, TX 78759-5321 (512) 471-3583

Utah

Dr. Doran J. Baker Utah State University College of Engineering Engineering Building, EL 302 Logan, UT 84322-4140 (435) 797-3666

Dr. Frank J. Redd Utah State University Mechanical & Aerospace Engineering Department Engineering Building, EL-250 Logan, UT 84322-4130 (435) 755-4287

VERMONT

Dr. Tony S. Keller University of Vermont Department of Mechanical Engineering 119 Votey Building Burlington, VT 05405-0156 (802) 656-1936

Prof. William D. Lakin University of Vermont Department of Mathematics & Statistics 16 Colchester Avenue Burlington, VT 05405 (802) 656-8541

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Ms. Mary Sandy Virginia Space Grant Consortium Headquarters 2713-D Magruder Boulevard Old Dominion University Peninsula Center Hampton, VA 23666-1563 (757) 865-0726

WASHINGTON

Dr. Janice DeCosmo University of Washington Space Grant Box 351650 319 Johnson Hall Seattle, WA 98195-1650 (206) 685-8542

WEST VIRGINIA

Dr. Majid Jaraiedi West Virginia University G-60 Engineering Sciences Building P.O. Box 6070 Morgantown, WV 26506-6070 (304) 293-4099, Ext. 672

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Dr. John W. Norbury University of Wisconsin, Milwaukee Department of Physics P.O. Box 413 Milwaukee, WI 53201-0413 (414) 229-3878

WYOMING

Dr. Paul E. Johnson University of Wyoming Department of Physics and Astronomy P. O. Box 3905 University Station Laramie, WY 82071-3905 (307) 766-6267

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